



SPYWOLF

Security Audit Report



Completed on
July 29, 2023

@SPYWOLFNETWORK



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SPYWOLF.CO





OVERVIEW

This audit has been prepared for **HORSE CRYPTO** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

- SPYWOLF Team -

”





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HORSE CRYPTO



PROJECT DESCRIPTION

According to their website:

Horse Crypto is a free economy NFT Play To Earn game inspired by horse racing, taking it to NFT Blockchain technology and hosting it on the BSC, helping to prove your ownership in digital assets.

Horse Crypto's self-sustaining model has been designed and developed by unifying the best features of blockchain gaming and adding a fun, competitive and totally innovative gaming system for users.

Release Date: Presale starts in July, 2023

Category: Play to earn (P2E)



CONTRACT INFO

Token Name
HorseCrypto

Symbol
HORS

Contract Address
0x744bb3698546A5ec48a4B2413D90cAd3572AeF44

Network
Binance Smart Chain

Language
Solidity

Deployment Date
Jul 28, 2023

Verified?
Yes

Total Supply
1,000,000,000

Status
Not launched

TAXES

Buy Tax
none

Sell Tax
none



Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



TOKEN TRANSFERS STATS

Transfer Count	16
Uniq Senders	8
Uniq Receivers	11
Total Amount	2650000000 HORS
Median Transfer Amount	50000000 HORS
Average Transfer Amount	165625000 HORS
First transfer date	2023-07-28
Last transfer date	2023-07-28
Days token transferred	1

SMART CONTRACT STATS

Calls Count	34
External calls	16
Internal calls	18
Transactions count	22
Uniq Callers	8
Days contract called	1
Last transaction time	2023-07-28 16:15:20 UTC
Created	2023-07-28 12:53:50 UTC
Create TX	0x461bbc56402e36e3d128252039095cb27820c8773012e6f9aafa912cee6cdb83
Creator	0xf5217a003a879761f682b7c0cf748e12becff32c



VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed



THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.



FOUND THREATS

High Risk

No high risk-level threats found in this contract.

Medium Risk

No medium risk-level threats found in this contract.

Low Risk

No low risk-level threats found in this contract.

- Recommendation:
 - Lorem ipsum dolor sit amet, consectetur adipiscing elit. Quisque libero nisl, consequat id malesuada eget, laoreet quis lacus. Vestibulum accumsan ex turpis, sed accumsan odio vulputate vitae. In quis lobortis ligula, a vehicula quam.



RECOMMENDATIONS FOR

GOOD PRACTICES

1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

HORSE CRYPTO

GOOD PRACTICES FOUND

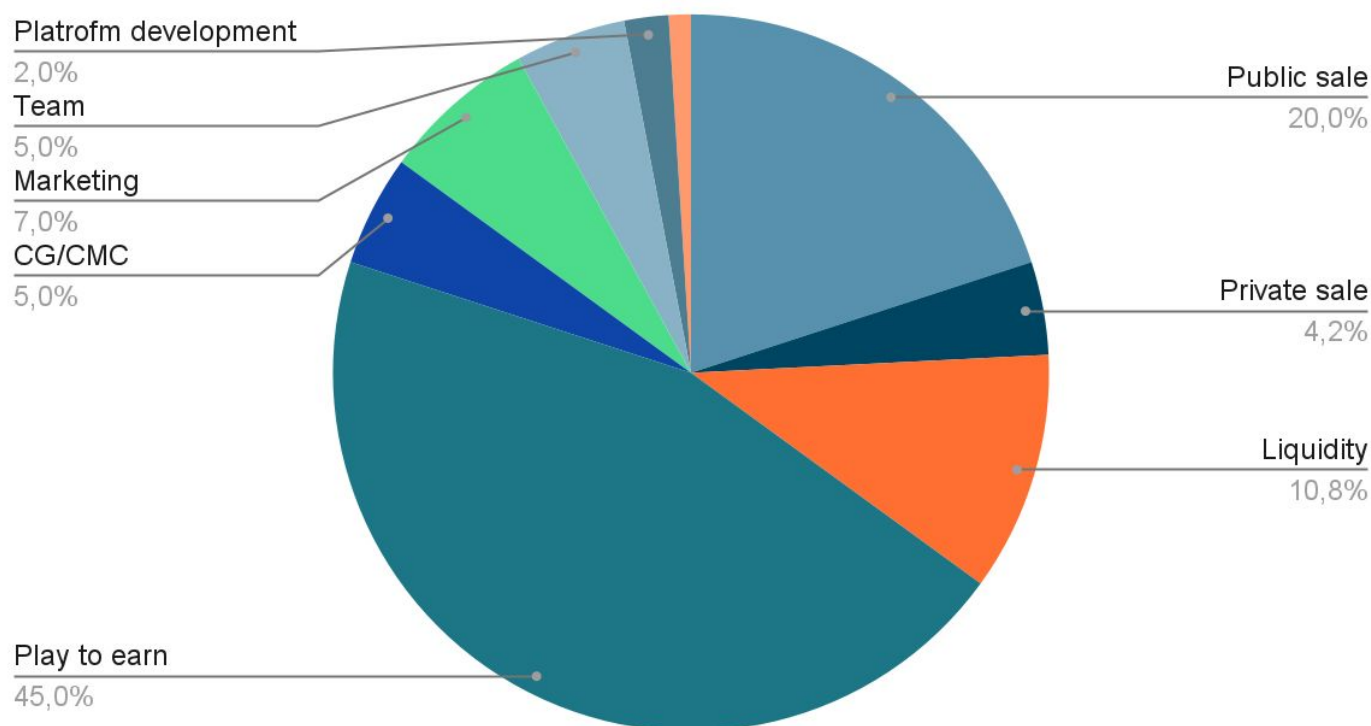
- ✓ The owner cannot mint new tokens after deployment
- ✓ The owner cannot stop or pause the contract
- ✓ The owner can set a transaction limit, but can't lower it than 1% of total supply
- ✓ The smart contract utilizes "SafeMath" to prevent overflows



The following tokenomics are based on the project's whitepaper and/or website:

- 20% - Public sale
- 4.2% - Private sale
- 10.8% - Liquidity
- 45% - Play to earn
- 5% - CG/CMC
- 7% - Marketing
- 5% - Team
- 2% - Platform development
- 1% - Airdrop

Tokens distribution



TOKENOMICS



THE TEAM

The team at Horse Crypto is publicly doxxed on their website with links to their social media pages. However, we recommend the team get a KYC to ensure their identities are fully known..



JOHAN AZUAJE
Founder & CEO



MOBEEN AFZAL
Blockchain Expert



EDUARDO CAMACHO
Graphic Designer



ETHAN FELIZ
Marketing Director



WEBSITE

Website URL

<https://www.horsecrypto.vip/>

Domain Registry

<https://www.namecheap.com>

Domain Expiration

Expires on 2023-12-20

Technical SEO Test

Passed

Security Test

Passed. SSL certificate present

Design

Very nice color scheme and overall design.

Content

The information helps new investors understand what the product does right away. No grammar mistakes found.

Whitepaper

Well written, explanatory.

Roadmap

Yes, goals set with time frames.

Mobile-friendly?

Yes



horsecrypto.vip

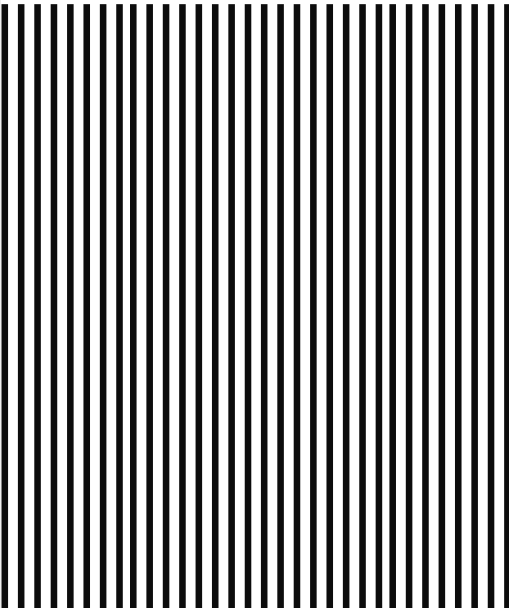


SOCIAL MEDIA & ONLINE PRESENCE



ANALYSIS

Project's social
media pages are
active



Twitter

@HorseCrypto01

- 2 206 followers
- Posts frequently
- Active



Discord

- Not available



Telegram

@horsecryptotg

- 248 members
- Active members
- Active mods



Medium

- Not available



SPYWOLF

CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

- ✓ OVER 500 SUCCESSFUL CLIENTS
- ✓ MORE THAN 500 SCAMS EXPOSED
- ✓ MILLIONS SAVED IN POTENTIAL FRAUD
- ✓ PARTNERSHIPS WITH TOP LAUNCHPADS, INFLUENCERS AND CRYPTO PROJECTS
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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.